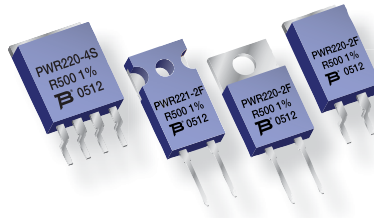


# Product Obsolescence Memo

## FIXED RESISTORS



October, 2015

## **Bourns® Model PWR220/PWR221 F Series Power Resistors & PWR220/PWR221 S Series Shunt Resistors Discontinued**

Due to circumstances beyond Bourns' control, we are unable to continue to offer for sale the Bourns® Model [PWR220/PWR221 F Series](#) Power Resistors and the [PWR220/PWR221 S Series](#) Shunt Resistors. As a consequence, we are suspending all new orders for these devices effective immediately. Regrettably, replacement products are not offered at this time.

The obsolete part numbers are listed on the following pages.

Should you have any questions or need additional information, please feel free to contact [Customer Service/Inside Sales](#).

Obsolete Part Numbers				
PWR220-2FA10000F	PWR220-2FA3R00F	PWR220-2FAR040G	PWR220-2FB15R0J	PWR220-2FB3R300F
PWR220-2FA1000F	PWR220-2FA3R300F	PWR220-2FAR0500F	PWR220-2FB1R000F	PWR220-2FB3R30F
PWR220-2FA1001F	PWR220-2FA3R30F	PWR220-2FAR050F	PWR220-2FB1R000J	PWR220-2FB4000F
PWR220-2FA100R0F	PWR220-2FA4000F	PWR220-2FAR050G	PWR220-2FB1R00F	PWR220-2FB4001F
PWR220-2FA10R00F	PWR220-2FA400R0F	PWR220-2FAR1000F	PWR220-2FB1R00J	PWR220-2FB4002F
PWR220-2FA10R0F	PWR220-2FA40R00F	PWR220-2FAR100F	PWR220-2FB1R500F	PWR220-2FB400R0F
PWR220-2FA1200F	PWR220-2FA40R0F	PWR220-2FAR1500F	PWR220-2FB1R50F	PWR220-2FB40R00F
PWR220-2FA120R0F	PWR220-2FA4700F	PWR220-2FAR150F	PWR220-2FB1R91F	PWR220-2FB40R0F
PWR220-2FA12R00F	PWR220-2FA470R0F	PWR220-2FAR2000F	PWR220-2FB200000F	PWR220-2FB47000J
PWR220-2FA12R0F	PWR220-2FA47R00F	PWR220-2FAR200F	PWR220-2FB2000F	PWR220-2FB470010F
PWR220-2FA15R00F	PWR220-2FA47R0F	PWR220-2FAR2500F	PWR220-2FB2001F	PWR220-2FB4700F
PWR220-2FA15R0F	PWR220-2FA4R000F	PWR220-2FAR250F	PWR220-2FB2002F	PWR220-2FB4700J
PWR220-2FA1R000F	PWR220-2FA4R00F	PWR220-2FAR3000F	PWR220-2FB200R0F	PWR220-2FB4702F
PWR220-2FA1R00F	PWR220-2FA4R70F	PWR220-2FAR300F	PWR220-2FB20R00F	PWR220-2FB470R0F
PWR220-2FA1R00JE	PWR220-2FA5000F	PWR220-2FAR3300F	PWR220-2FB20R0F	PWR220-2FB47R00F
PWR220-2FA1R500F	PWR220-2FA500R0F	PWR220-2FAR330F	PWR220-2FB2202F	PWR220-2FB47R0F
PWR220-2FA1R50F	PWR220-2FA50R00F	PWR220-2FAR4000F	PWR220-2FB2500F	PWR220-2FB47R0J
PWR220-2FA1R50FE	PWR220-2FA50R0F	PWR220-2FAR400F	PWR220-2FB2501F	PWR220-2FB4R000F
PWR220-2FA2000F	PWR220-2FA5600F	PWR220-2FAR5000F	PWR220-2FB2502F	PWR220-2FB4R00F
PWR220-2FA200R0F	PWR220-2FA560R0F	PWR220-2FAR500F	PWR220-2FB250R0F	PWR220-2FB4R70J
PWR220-2FA20R00F	PWR220-2FA56R00F	PWR220-2FAR500FE	PWR220-2FB2510F	PWR220-2FB5000F
PWR220-2FA20R0F	PWR220-2FA56R0F	PWR220-2FAR7500F	PWR220-2FB25R00F	PWR220-2FB5001F
PWR220-2FA2500F	PWR220-2FA5R000F	PWR220-2FAR750F	PWR220-2FB25R0F	PWR220-2FB5002F
PWR220-2FA2500FE	PWR220-2FA5R00F	PWR220-2FB100010F	PWR220-2FB27R00F	PWR220-2FB500R0F
PWR220-2FA250R0F	PWR220-2FA7500F	PWR220-2FB1000F	PWR220-2FB27R0F	PWR220-2FB50R00F
PWR220-2FA25R00F	PWR220-2FA750R0F	PWR220-2FB1000J	PWR220-2FB2R000F	PWR220-2FB50R0F
PWR220-2FA25R0F	PWR220-2FA75R00F	PWR220-2FB1001F	PWR220-2FB2R00F	PWR220-2FB5600F
PWR220-2FA27R00F	PWR220-2FA75R0F	PWR220-2FB1002F	PWR220-2FB2R500F	PWR220-2FB560R0F
PWR220-2FA27R0F	PWR220-2FA7R500F	PWR220-2FB100R0F	PWR220-2FB2R50F	PWR220-2FB56R00F
PWR220-2FA2R000F	PWR220-2FA7R50F	PWR220-2FB10R00F	PWR220-2FB3000F	PWR220-2FB56R0F
PWR220-2FA2R00F	PWR220-2FA8R000F	PWR220-2FB10R0F	PWR220-2FB3001F	PWR220-2FB5R000F
PWR220-2FA2R20F	PWR220-2FA8R00F	PWR220-2FB10R0J	PWR220-2FB3002F	PWR220-2FB5R00F
PWR220-2FA2R500F	PWR220-2FAR0200F	PWR220-2FB1200F	PWR220-2FB300R0F	PWR220-2FB750000F
PWR220-2FA2R50F	PWR220-2FAR020F	PWR220-2FB120R0F	PWR220-2FB30R00F	PWR220-2FB7500F
PWR220-2FA3000F	PWR220-2FAR020G	PWR220-2FB12R00F	PWR220-2FB30R0F	PWR220-2FB7501F
PWR220-2FA300R0F	PWR220-2FAR0300F	PWR220-2FB12R00J	PWR220-2FB3300F	PWR220-2FB750R0F
PWR220-2FA30R00F	PWR220-2FAR030F	PWR220-2FB12R0F	PWR220-2FB3302F	PWR220-2FB75R00F
PWR220-2FA30R0F	PWR220-2FAR030G	PWR220-2FB12R0J	PWR220-2FB330R0F	PWR220-2FB75R0F
PWR220-2FA3300F	PWR220-2FAR0330F	PWR220-2FB1500J	PWR220-2FB33R00F	PWR220-2FB7R500F
PWR220-2FA330R0F	PWR220-2FAR033F	PWR220-2FB1501F	PWR220-2FB33R0F	PWR220-2FB7R500J
PWR220-2FA33R00F	PWR220-2FAR033G	PWR220-2FB1502F	PWR220-2FB33R0J	PWR220-2FB7R50F
PWR220-2FA33R0F	PWR220-2FAR0400F	PWR220-2FB15R00F	PWR220-2FB3R000F	PWR220-2FB7R50J
PWR220-2FA3R000F	PWR220-2FAR040F	PWR220-2FB15R0F	PWR220-2FB3R00F	PWR220-2FB8R000F

Bourns® Model PWR220/PWR221 F Series Power Resistors & PWR220/PWR221 S Series  
Shunt Resistors Discontinued

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Obsolete Part Numbers				
PWR220-2FB8R00F	PWR220-2FD15R0J	PWR221-2FB10001F	PWR221-2FB2R00F	PWR221-2FB7501F
PWR220-2FBR0200F	PWR220-2FD15R0JE	PWR221-2FB1000F	PWR221-2FB2R500F	PWR221-2FB750R0F
PWR220-2FBR020F	PWR220-2FDR050J	PWR221-2FB1000J	PWR221-2FB2R50F	PWR221-2FB75R00F
PWR220-2FBR0300F	PWR220-2SA3R30FE	PWR221-2FB1001F	PWR221-2FB30001F	PWR221-2FB75R0F
PWR220-2FBR030F	PWR220-2SA3R40F	PWR221-2FB1002F	PWR221-2FB3000F	PWR221-2FB7R50F
PWR220-2FBR0330F	PWR220-2SA3R92F	PWR221-2FB100R0F	PWR221-2FB3001F	PWR221-2FB8R000F
PWR220-2FBR033F	PWR220-2SA5R00F	PWR221-2FB100R0J	PWR221-2FB3002F	PWR221-2FB8R00F
PWR220-2FBR040F	PWR220-2SAR010F	PWR221-2FB10R00F	PWR221-2FB300R0F	PWR221-2FBR0200F
PWR220-2FBR0500F	PWR220-2SAR110J	PWR221-2FB10R00J	PWR221-2FB30R0F	PWR221-2FBR020F
PWR220-2FBR050F	PWR220-2SB4R00F	PWR221-2FB10R0F	PWR221-2FB33001F	PWR221-2FBR020J
PWR220-2FBR1000F	PWR220-2SBR0500J	PWR221-2FB10R0J	PWR221-2FB3300F	PWR221-2FBR0300F
PWR220-2FBR100F	PWR220-2SBR050J	PWR221-2FB1200F	PWR221-2FB3301F	PWR221-2FBR030F
PWR220-2FBR1500F	PWR220-2SBR1000J	PWR221-2FB120R0F	PWR221-2FB3302F	PWR221-2FBR0330F
PWR220-2FBR150F	PWR220-2SBR100J	PWR221-2FB12R00F	PWR221-2FB33R0F	PWR221-2FBR033F
PWR220-2FBR2000F	PWR220-2SBR390D	PWR221-2FB12R0F	PWR221-2FB3R00F	PWR221-2FBR0400F
PWR220-2FBR200F	PWR220-4SA1R00F	PWR221-2FB15000F	PWR221-2FB3R300J	PWR221-2FBR040F
PWR220-2FBR2500F	PWR220-4SA3R30F	PWR221-2FB15001F	PWR221-2FB3R30F	PWR221-2FBR0500F
PWR220-2FBR250F	PWR220-4SA3R30FE	PWR221-2FB1501F	PWR221-2FB3R30J	PWR221-2FBR050F
PWR220-2FBR270F	PWR220-4SAR002F	PWR221-2FB1502F	PWR221-2FB40001F	PWR221-2FBR1000F
PWR220-2FBR3000F	PWR220-4SAR002J	PWR221-2FB15R00F	PWR221-2FB4000F	PWR221-2FBR100F
PWR220-2FBR300F	PWR220-4SAR003F	PWR221-2FB15R0F	PWR221-2FB4001F	PWR221-2FBR1500F
PWR220-2FBR3300F	PWR220-4SAR005F	PWR221-2FB1R000F	PWR221-2FB4002F	PWR221-2FBR150F
PWR220-2FBR330F	PWR220-4SAR0100J	PWR221-2FB1R00F	PWR221-2FB40R00F	PWR221-2FBR2000F
PWR220-2FBR390J	PWR220-4SAR010J	PWR221-2FB1R500F	PWR221-2FB40R0F	PWR221-2FBR200F
PWR220-2FBR4000F	PWR220-4SAR025F	PWR221-2FB1R50F	PWR221-2FB47001F	PWR221-2FBR2500F
PWR220-2FBR400F	PWR220-4SAR050J	PWR221-2FB20000F	PWR221-2FB4700F	PWR221-2FBR250F
PWR220-2FBR5000F	PWR220-4SAR100B	PWR221-2FB2000F	PWR221-2FB4702F	PWR221-2FBR3000F
PWR220-2FBR500F	PWR220-4SAR100JE	PWR221-2FB2001F	PWR221-2FB47R0F	PWR221-2FBR300F
PWR220-2FBR7500F	PWR220-4SAR120F	PWR221-2FB2002F	PWR221-2FB4R00F	PWR221-2FBR3300F
PWR220-2FBR750F	PWR220-4SAR220F	PWR221-2FB200R0F	PWR221-2FB50000F	PWR221-2FBR330F
PWR220-2FC1000F	PWR220-4SAR470F	PWR221-2FB20R00F	PWR221-2FB5000F	PWR221-2FBR4000F
PWR220-2FC1000J	PWR220-4SAR500BE	PWR221-2FB20R0F	PWR221-2FB5001F	PWR221-2FBR400F
PWR220-2FC10R0J	PWR220-4SAR500JE	PWR221-2FB25000F	PWR221-2FB500R0F	PWR221-2FBR5000F
PWR220-2FC10R0JE	PWR220-4SBR002J	PWR221-2FB25001F	PWR221-2FB50R00F	PWR221-2FBR500F
PWR220-2FC1262J	PWR220-4SBR003F	PWR221-2FB2500F	PWR221-2FB50R0F	PWR221-2FBR7500F
PWR220-2FC1760J	PWR220-4SBR005F	PWR221-2FB2501F	PWR221-2FB5600F	PWR221-2FBR750F
PWR220-2FC1R00J	PWR220-4SBR0100J	PWR221-2FB2502F	PWR221-2FB560R0F	PWR221-2FC1000F
PWR220-2FC2500J	PWR220-4SBR010J	PWR221-2FB250R0F	PWR221-2FB56R00F	PWR221-2FC1000J
PWR220-2FC2R70J	PWR220-4SBR020J	PWR221-2FB25R00F	PWR221-2FB56R0F	PWR221-2FC1002F
PWR220-2FC33R0JE	PWR220-4SBR050B	PWR221-2FB25R0F	PWR221-2FB5R000F	PWR221-2FC100R0F
PWR220-2FCR040J	PWR220-4SBR050J	PWR221-2FB27R00F	PWR221-2FB5R00F	PWR221-2FC10R00F
PWR220-2FCR050J	PWR220-4SBR390B	PWR221-2FB27R0F	PWR221-2FB75000F	PWR221-2FC10R0F
PWR220-2FD12R0J	PWR221-2FB10000F	PWR221-2FB2R000F	PWR221-2FB7500F	PWR221-2FC1200F

*Bourns® Model PWR220/PWR221 F Series Power Resistors & PWR220/PWR221 S Series Shunt Resistors Discontinued*

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Obsolete Part Numbers	
PWR221-2FC120R0F	PWR221-2FC50R0F
PWR221-2FC12R00F	PWR221-2FC56R00F
PWR221-2FC12R0F	PWR221-2FC56R0F
PWR221-2FC1501F	PWR221-2FC5R000F
PWR221-2FC15R00F	PWR221-2FC5R00F
PWR221-2FC15R0F	PWR221-2FC75R00F
PWR221-2FC1601F	PWR221-2FC75R0F
PWR221-2FC1R000F	PWR221-2FC7R500F
PWR221-2FC1R00F	PWR221-2FC7R50F
PWR221-2FC1R500F	PWR221-2FC8R000F
PWR221-2FC1R50F	PWR221-2FC8R00F
PWR221-2FC2000F	PWR221-2FCR0200F
PWR221-2FC200R0F	PWR221-2FCR020F
PWR221-2FC20R00F	PWR221-2FCR020G
PWR221-2FC20R0F	PWR221-2FCR030F
PWR221-2FC2500F	PWR221-2FCR030G
PWR221-2FC2500J	PWR221-2FCR033F
PWR221-2FC250R0F	PWR221-2FCR033G
PWR221-2FC25R00F	PWR221-2FCR040F
PWR221-2FC25R0F	PWR221-2FCR040G
PWR221-2FC27R00F	PWR221-2FCR050F
PWR221-2FC27R0F	PWR221-2FCR050G
PWR221-2FC2R000F	PWR221-2FCR1000F
PWR221-2FC2R00F	PWR221-2FCR100F
PWR221-2FC2R500F	PWR221-2FCR1500F
PWR221-2FC2R50F	PWR221-2FCR150F
PWR221-2FC3000F	PWR221-2FCR2000F
PWR221-2FC300R0F	PWR221-2FCR200F
PWR221-2FC30R00F	PWR221-2FCR2500F
PWR221-2FC30R0F	PWR221-2FCR250F
PWR221-2FC33R00F	PWR221-2FCR3000F
PWR221-2FC33R0F	PWR221-2FCR300F
PWR221-2FC3R000F	PWR221-2FCR3300F
PWR221-2FC3R00F	PWR221-2FCR330F
PWR221-2FC3R300F	PWR221-2FCR4000F
PWR221-2FC3R30F	PWR221-2FCR400F
PWR221-2FC40R00F	PWR221-2FCR5000F
PWR221-2FC40R0F	PWR221-2FCR500F
PWR221-2FC47R00F	PWR221-2FCR7500F
PWR221-2FC47R0F	PWR221-2FCR750F
PWR221-2FC4R000F	PWR221-2SBR0150J
PWR221-2FC4R00F	PWR221-2SBR015J
PWR221-2FC50R00F	