# Type SCC, Dual IGBT Clamp-Snubber Modules

## High Peak Current Snubber with Integrated Hyperfast Diodes



Style SCC is ideal for use in medium to high current applications where a dual IGBT module is used. This low loss snubber directly reduces turn-off voltage overshoots and is effective in reducing turn-on voltage transients.

#### Highlights

- Mount directly to the IGBT module
- Low inductance
- Low loss polypropylene dielectric
- High peak current
- Hyperfast diodes integrated into package
- Wire taps for connecting external resistors
- Flame resistant case and epoxy meet UL 94V-O

# **Specifications**

Capacitance Range	0.47 to 2.0 μF				
Capacitance Tolerance	±10% (K) standard, ±5% (J) optional				
Rated Voltage	600 to 1200 Vdc				
Operating Temperature Range with Ripple	-55 °C to 70 °C				
RoHS Compliant					

#### **Dimensions**

Construction Details					
Case Material	Plastic UL94V-0				
Resin Material	Dry Resin UL94V-0				
Terminal Material	Tin Plated Copper				



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## **Part Numbering System**



## Ratings

Note: Other ratings, sizes and performance specification available upon request. Contact us.

			lpk(A)							
		Typical Application Diode			Tc = 25 °C					
Catalog	Сар	DUAL IGBT	Characteristics	lpk(A) Surge	Repetitive	w	2	н	W2	Ρ
Part Number	(μF)	lc/Vce	Vrrm/lf/trr(µs)	Tc = 25 °C	20 kHz Sq Wave	(mm)	(mm)	(mm)	(mm)	(mm)
SCC105K601H7-24-F	1.00	100/600	600/30/.040	300	70	50.80	76.20	31.75	14.22	24
SCC155K601H7-24-F	1.50	200-300/600	600/30/.040	300	70	50.80	76.20	31.75	14.22	24
SCC205K601H5-24-F	2.00	400/600	600/50/.045	500	100	50.80	76.20	31.75	14.22	24
SCC205K601H5-28-F	2.00	400/600	600/50/.045	500	100	50.80	76.20	31.75	10.16	28
SCC474K122H8-24-F	0.47	100/1200	1200/30/.065	300	60	50.80	76.20	31.75	14.22	24
SCC474K122H8-28-F	0.47	100/1200	1200/30/.065	300	60	50.80	76.20	31.75	10.16	28
SCC105K122H8-24-F	1.00	150/1200	1200/30/.065	300	60	62.90	76.20	38.10	14.22	24
SCC105K122H8-28-F	1.00	150/1200	1200/30/.065	300	60	62.90	76.20	38.10	10.16	28
SCC155K122H4-24-F	1.50	200/1200	1200/50/.085	500	100	63.50	88.90	40.00	20.60	24
SCC155K122H4-28-F	1.50	200/1200	1200/50/.085	500	100	63.50	88.90	40.00	16.50	28
SCC205K122H4-24-F	2.00	300/1200	1200/50/.085	500	100	71.12	92.08	43.18	20.60	24
SCC205K122H4-28-F	2.00	300/1200	1200/50/.085	500	100	71.12	92.08	43.18	18.03	28

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