

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [0735912047](#)  
**Status:** **Active**  
**Overview:** RF Isolators and RF Circulators  
**Description:** Surface Mount Single Junction Circulator 2496-2690 MHz, Counterclockwise, 10.0mm Diameter

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |   |
|----------------|---|
| Product Family | Isolators and Circulators                       |
| Series         | <a href="#">73591</a>                           |
| Component Type | Circulator                                      |
| Overview       | <a href="#">RF Isolators and RF Circulators</a> |
| Product Name   | RF Circulator                                   |
| Taxonomy       | Isolators and Circulators                       |
| Type           | Surface Mount                                   |
| UPC            | 195842832329                                    |

**Physical**

|                               |                  |
|-------------------------------|------------------|
| Diameter                      | 10.0mm           |
| Direction                     | Counterclockwise |
| Net Weight                    | 3.460/g          |
| Temperature Range - Operating | -40° to +105°C   |

**Electrical**

|                              |                               |
|------------------------------|-------------------------------|
| Average Power Max (Watts)    | 50                            |
| Frequency                    | 2496-2690 MHz                 |
| IMD3                         | -60 dBc Max 5Wx2, 1 MHz Space |
| Impedance                    | 50Ω                           |
| Insertion Loss (IL) Max (dB) | 0.35                          |
| Isolation (IS) Min (dB)      | 20                            |
| Peak Power (Watts)           | 500                           |
| Return Loss - S11 (dB)       | 20                            |

**Material Info**

|                    |                   |
|--------------------|-------------------|
| Engineering Number | 812-249-269-VP040 |
|--------------------|-------------------|

**Reference - Drawing Numbers**

|               |               |
|---------------|---------------|
| Sales Drawing | 735912047-000 |
|---------------|---------------|



*Series image - Reference only*

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per -  
D(2022)4187-DC (10  
June 2022)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[73591 Series](#)