



- Thin-film substrate-based microstrip circulator
- Small size, low profile & light weight
- Low insertion loss and high isolation
- Fullband design
- Drop-in assembly into circuit board using conductive gluing to carrier and Au-wire or ribbon bonding to adjacent lines
- Designed for military, space and commercial applications
- RoHS compliant

Parameter	Standard Value	Remark
<b>Product Type</b>	Circulator	
<b>Configuration</b>	3-Port Y-Junction	
<b>Frequency Range</b>	8 - 12 GHz	
<b>Forward Peak Power</b>	20 W	
<b>Duty Cycle</b>	30%	
<b>Reverse Power</b>	10% 100%	permanently short-term without damage
<b>Insertion Loss</b>	≤ 0.4 dB ≤ 0.6 dB	at RT over temperature
<b>Return Loss</b>	≥ 16 dB ≥ 15 dB	at RT over temperature
<b>Isolation</b>	≥ 16 dB ≥ 14 dB	at RT over temperature
<b>RF Waveguide</b>	Microstrip line, 50 Ω	
<b>RF Flanges / Connectors</b>	Drop-in for Au-wire or ribbon bonding	
<b>Metallization</b>	Au	
<b>Temperature Range</b>	-35°C to +71°C	operational
	-60°C to +120°C	storage
	+150°C max. 2h	for assembly
<b>Dimensions</b>	7 x 7 x 2.5 mm <sup>3</sup> (max)	
<b>Footprint Drawing</b>	See preliminary drawing attached	

