



All Dimensions in mm ( inches ) Tolerance  $\pm 0.25$  ( 0.01 )

Parameters		Min.	Typ.	Max.	Min.	Typ.	Max.	Units
Frequency Range		2		4	4		8	GHz
Nominal Splitter Loss			10.8			10.8		dB
Insertion Loss			1.2	1.5		1.8	2.2	dB
Isolation		18	20		18	20		dB
Input VSWR			1.6	1.8		1.5	1.7	
Output VSWR			1.3	1.5		1.3	1.5	
Amplitude Unbalance			$\pm 0.4$	$\pm 0.6$		$\pm 0.5$	$\pm 0.8$	dB
Phase Unbalance			$\pm 6$	$\pm 8$		$\pm 8$	$\pm 10$	deg
Power Rating	Forward Power	30						W
	Reverse Power	1						W
	Peak Power	300						KW
Impedance		50						Ohms
Weight		10.58						ounces
Operating Temperature		-45 to +85						$^{\circ}\text{C}$
Input / Output Connector		SMA-Female						
Material		Aluminum						
Finishing		Gray Paint						

### Environment specifications

Operational Temperature	-45 $^{\circ}\text{C}$ ~+85 $^{\circ}\text{C}$
Storage Temperature	-55 $^{\circ}\text{C}$ ~+125 $^{\circ}\text{C}$
Altitude	30,000 ft. (Epoxy Seal Controlled environment)
(Optional)	60,000 ft 1.0psi min (Hermetically Seal Un-controlled environment)
Vibration	25g rms (15 degree 2KHz) endurance, 1 hour per axis
Humidity	100% RH at 35c, 95%RH at 40 $^{\circ}\text{C}$
Shock	20G for 11msc half sin wave,3 axis both directions