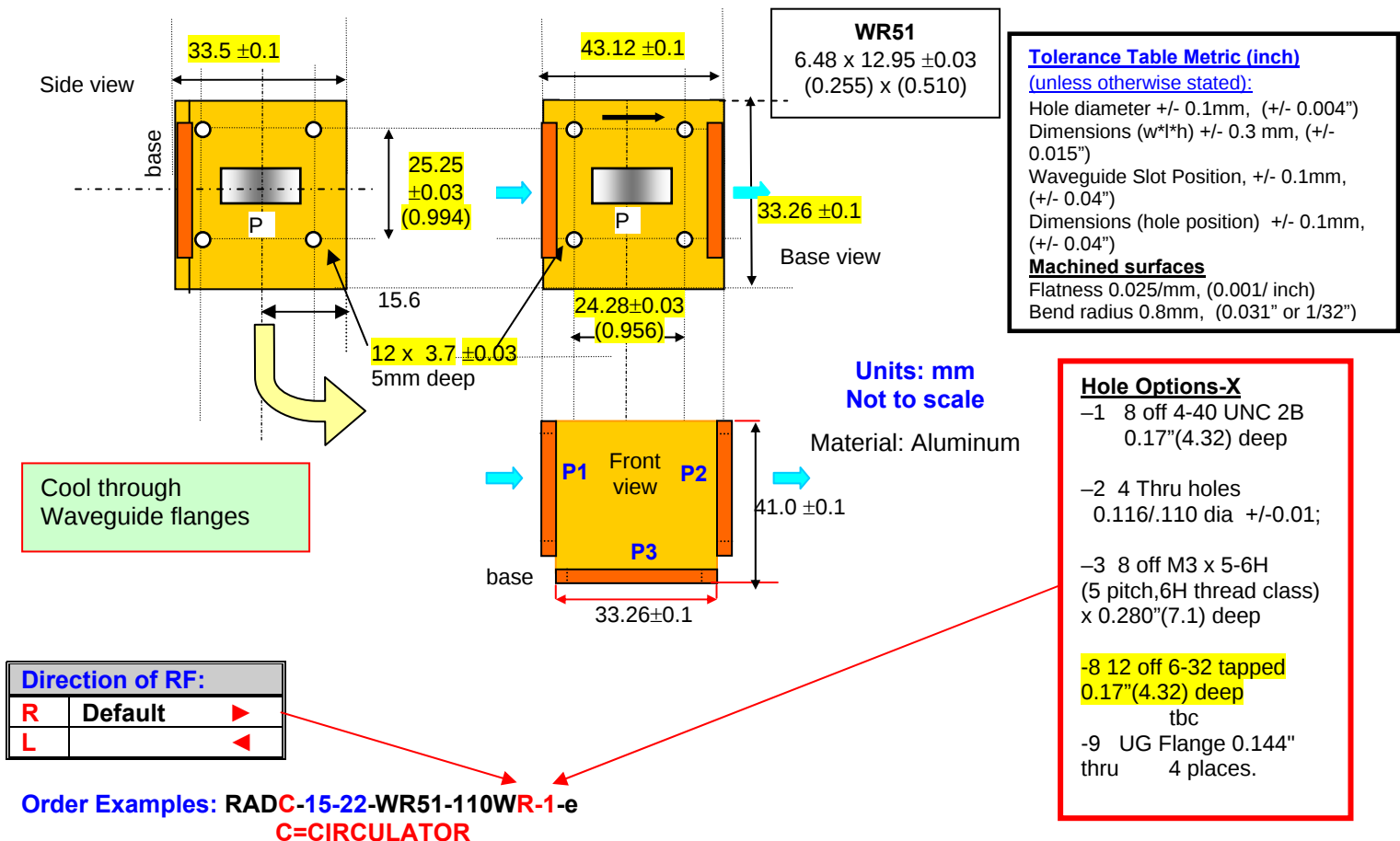


Waveguide Circulator, 15-22GHz, WR51, Full or Split Bands 10% Bandwidth, 110 or 300Watts Reverse Power



Specifications	10% Band	Full Band	10% Band Special High Power	SO 6452	Units
Frequency	15-22	15-22	15-22	19.5-20.5	GHz
Insertion loss	0.3	0.45	0.3	0.30	dB max
Isolation	20	18	20	20	dB min
VSWR	1.22:1	1.3:1	1.22:1	1.22:1	
Rated Power Forward	110W	110W	300W	300	Watt min
Rated Power Reverse	110W	110W	300W	300	Watt min
Operating temperature	-30 to +70	+15 to +35	-30 to +70	-30 to +70	°C
Storage temperature	-50 to 105	-50 to 105	-50 to 105	-50 to +105	°C
Altitude	to 15,000	to 15,000	to 15,000		feet
Humidity	to 95	To 95	to 95		%
	e	e	e	e 4/13/06	

Waveguide Circulator, 15-22GHz, WR51, Full or Split Bands
10% Bandwidth, 110 or 300Watts Reverse Power

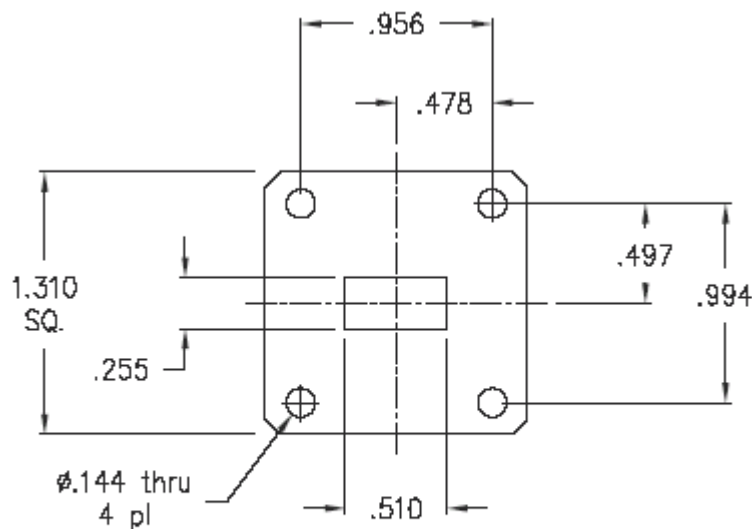
Specifications	10% Band	10% Band	Full Band	10% Band Special High Power	Full Band Special High Power	Units
Frequency	15-22	15-22	15-22	15-22	15-22	GHz
Insertion loss	0.35	0.3	0.45	0.3	0.45	dB max
Isolation	20	20	18	20	18	dB min
VSWR	1.25:1	1.22:1	1.3:1	1.22:1	1.3:1	
Rated Power Forward	50W	110W	110W	300W	300W	Watt min
Rated Power Reverse	50W	110W	110W	300W	300W	Watt min
Operating temperature	-30 to +70	-30 to +70	+15 to +35	-30 to +70	+15 to +35	°C
Storage temperature	-50 to 105	-50 to 105	-50 to 105	-50 to 105	-50 to 105	°C
Altitude	to 15,000	to 15,000	to 15,000	to 15,000	to 15,000	feet
Humidity	to 95	to 95	To 95	to 95	To 95	%
	b	b	b	b	b	

Specifications				Special High Power	Units
Frequency	15-18	16-18	19.5-20.5	20.5-22.5	GHz
Insertion loss	0.25/0.3	0.35	0.30	0.3	dB max
Isolation	23/20	18	20	20	dB min
VSWR	1.15/1.25	1.30:1	1.22:1	1.22:1	
Rated Power Forward	300	350	300	2kW	Watt min
Rated Power Reverse	300	200	300	2kW(5-10 ms)	Watt min
Peak Power		1.5			kW
Operating temperature	-10 to +70	-40 to +80	-30 to +70	-30 to +70	°C
Storage temperature	-50 to +105	-50 to +105	-50 to +105	-50 to 105	°C
Altitude		6 atm min: 100,000		to 15,000	Feet Sea Level
	b	b	b	b	

Waveguide Circulator, 15-22GHz, WR51, Full or Split Bands

10% Bandwidth, 110 or 300Watts Reverse Power

SPECIAL UG FLANGE



WR-51 FLANGE