1.0 ELECTRICAL

1.1 OPERATING FREQUENCY (WAVEGUIDE): 28.5 - 40.0 GHz (TELECOM BANDS)
RETURN LOSS: -23dB MIN
ISOLATION: 60dB MIN
INSERTION LOSS: .15dB MAX

1.2 OPERATING FREQUENCY (COAXIAL): SEE CHART
RETURN LOSS: -17dB MIN
ISOLATION: 50dB MIN
INSERTION LOSS: .45dB MAX

1.3 ISOLATION WAVEGUIDE TO COAX: 120dB
1.4 POWER HANDLING (WAVEGUIDE): 1KW CW
1.5 DRIVING VOLTAGE: OPTIONAL
1.6 C-FORM CONTACTS: 2 IN STD UNIT
1.7 INHIBIT CONTACTS: OPTIONAL (OPEN BEFORE YSMR EXCEEDS 1.3:1)
1.8 SWITCHING TIME: 90 msec MAX
1.9 POWER CONNECTOR: KPT2E12-10P OR KPT2E10-6P

2.0 MECHANICAL

2.1 WAVEGUIDE SIZE: WR28
2.2 FLANGE: OPTIONAL
2.3 COAXIAL CONNECTORS: SMA
2.4 PRESSURE: 20 PSI (INCLUDING DRIVER)
2.5 MATERIAL: 80% ALUMINUM
2.6 FINISH: LUSTERON ON WAVEGUIDE, ANODIZE ON DRIVER
2.7 WEIGHT: .500 KG

3.0 ENVIRONMENTAL

3.1 OPERATING TEMP: -40° TO +75°C
3.2 NON OPERATING TEMP: -50° TO +100°C
3.3 HUMIDITY: 100%
3.4 SHOCK & VIBRATION: STD SHIPPING