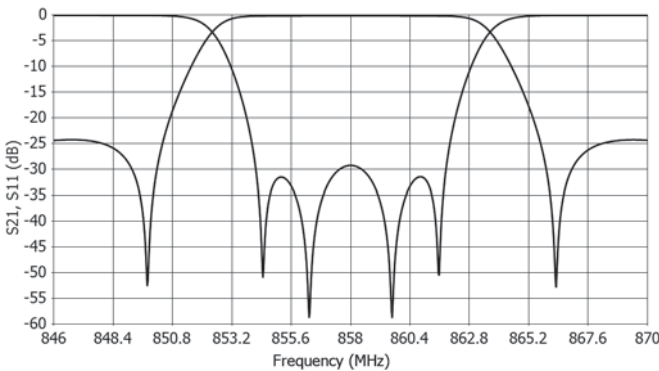


SPECIFICATIONS

| | |
|---------------------------------|--|
| Product Code | A-TC4E140C-xx-yy |
| Project Number | J-057-03 |
| Frequency Range | 470 – 862 MHz |
| Bandwidth | 6 to 8 MHz |
| Order | 4-Pole Elliptical Response |
| Max Input Power with O-HL.01 | 5 kW DTV (7.5 kW ATV) 10 kW DTV (15 kW ATV) |
| Liquid Flow (O-HL.01) | 6 l/min (1.6 gal/min) |
| Temperature Stability | < 2 kHz / K |
| Max Operating Temp. | 70 °C (158 °F) |
| Environmental Conditions | -5 to +55 °C (+23 to +131 °F), IP60 |
| Body Finish | Metallic black coloring |
| Dimensions | 326 x 380 x 390 mm |
| Weight | 23 kg (50.6 lb) |
| Output Monitor Probe | SMA Female |
| Connectors Interface | 2 x 64mm Series |
| Connectors | D-PC32J EIA 1+5/8" FastLine Socket (Default) D-PC64K EIA 1+5/8" FastLine Flange D-PC64M EIA 3+1/8" FastLine Socket D-PC64N EIA 3+1/8" FastLine Flange |
| Options | O-MR.01 SMB Output Monitor Probe O-MR.02 Output Monitor Probe on the left O-HF.03 Heat Sink add-on O-HL.01 Liquid Cooling add-on O-ZZ.01 Axial connector mounting O-HZ.03 70°C (158°F) N.C. Thersomswitch |



TUNING DATA

| | CCIR G Standard | FCC M Standard |
|--|--|--|
| Insertion Loss | < 0.20 dB @ V.C. | < 0.24 dB @ V.C. |
| Selectivity | > 40 dB @ V.C. -5.5/+11 MHz > 24 dB @ V.C. -11/+16.5 MHz | > 40 dB @ V.C. -4.5/+9 MHz > 24 dB @ V.C. -9/+13.5 MHz |
| Harmonic Attenuation with LP39C | > 50 dB up to 1.1 GHz > 50 dB up to 3.0 GHz | > 50 dB up to 1.1 GHz > 50 dB up to 3.0 GHz |
| Return Loss | > 26 dB (VSWR < 1.11) | > 26 dB (VSWR < 1.11) |
| Group Delay Variation | < 25 ns | < 25 ns |
| Over-temperature with O-HF.03 with O-HL.01 | < 48 K @ 7.5 kW ATV < 38 K @ 7.5 kW ATV < 20 K @ 15 kW ATV | < 59 K @ 7.5 kW ATV < 47 K @ 7.5 kW ATV < 24 K @ 15 kW ATV |