

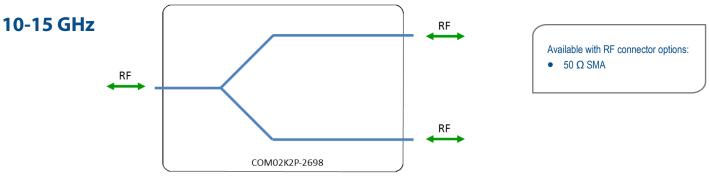
Model Number: COM02K2P-2698

Compact Housed in

enclosure

rugged compact

2-Way KU-Band Passive Splitter/Combiner





| RF Par | ameters | | | |
|--------------------------|-----------|-------|--|--|
| COM02K2P-2698-XXX | x | S5S5 | | |
| Frequency Range | 10-15 GHz | | | |
| RF Connectors | 50Ω SMA | | | |
| Mean Insertion Loss (dB) | 0.4±0.3 | | | |
| Flatness ± (dB) | 0.3 | | | |
| Input Datum Lass (dD) | Тур. | 22 | | |
| Input Return Loss (dB) | Min | 15 | | |
| Output Datum Laga (dD) | Тур. | 22 | | |
| Output Return Loss (dB) | Min | 15 | | |
| lealation (dD) | Тур. | 25 | | |
| Isolation (dB) | Min | 18 | | |
| Amplitude Balance (dB) | | ≤±0.4 | | |
| Phase Balance (Φ) | ≤±5° | | | |



Marine Oil & Gas



SNG & VSAT



Satellite Teleport



www.etlsystems.com



Model Number: COM02K2P-2698

2-Way KU-Band Passive Splitter/Combiner

Technical specifications and operating parameters

| Trc1 S21 dB Mag 1 dB/ Ref -4 | dB Cal Smo | | | 1 Trc4 521 (| Delay | 2 |
|---|-----------------------|---------------|-----------------|--------------------|------------------------------------|---------------|
| | PASS Trc1 | | 11.055 | | | |
| | — IN | ISERTION | LOSS | | HALAU | MALLALA |
| 4 dB | | | | | hallylandi | in and |
| Statistics (S21) Min -3.57 dB Max -3.34 dB | | | | | 21) 146.29 ps 326.36 ps | |
| Pk-Pk 0.22 dB Mean -3.46 dB Std Dev 0.04 dB | | | | Pk-PkE-10 Mean | 180.07 ps 231.80 ps 26.34 ps | |
| Rms -3.46 dB Ch1 Start 10000 MHz | Pwr -30 dBm Bw 0.01 / | WHz | Stop 15000 | Rms E-11 6 | 1.551 mU 10000 MHz Stop 1 | 15000 MHz |
| Trc2 S11 dB Mag 5 dB/ Ref 0 c | | | S22 dB Mag 5 dB | / Ref 0 dB Cal Smo | | 4 |
| PASS Trc2 | M1 13946.8750 | MHz -21.09 dB | SS Trc5 | | M1 12846.8750 | MHz -22.60 dE |
| ode — INPU | T RETURN LOSS | 0 dB | — OUT | PUT RET | JRN LOS | s |
| -10 | | 10 | | | | |
| | MI | 20 | | MI | | |
| 25 | ~~~~ | | | | | |
| ~30 | | | | | | |

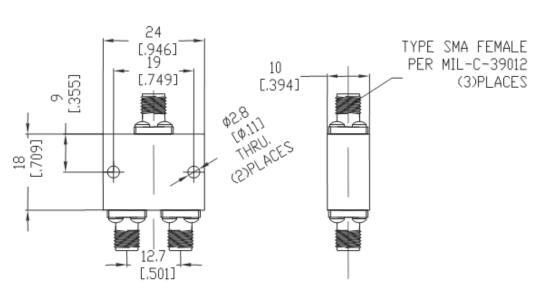
| Environmental | | | | |
|-----------------------|--------------------|--|--|--|
| Operating Temperature | -40°C to +85°C | | | |
| Storage Temperature | -40°C to +85°C | | | |
| Location | Indoor use Only | | | |
| Humidity Max | 85% non-condensing | | | |
| Altitude Max | 10,000 feet | | | |

| | | | PASS | Trc1 | | • M2 | 10546.8750 MH | z -23.51 dl |
|-------|----|--|------|------|------|--------|---------------|-------------|
| | | | | | -ISC | LATION | J | |
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| | M2 | | | | | | | |
| 25 dB | | | | | | | | |
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| Max Operating Parameters | | | | |
|--------------------------|-----------------------------------|--|--|--|
| Input RF Power | 30W as Splitter 1W as Combiner | | | |
| DC Voltage | N/A | | | |
| DC Current | N/A | | | |

Operation beyond these limits may cause instantaneous and permanent damage.

Physical Dimensions (mm)



50Ω SMA Connectors

Note: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved specification accuracy.

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