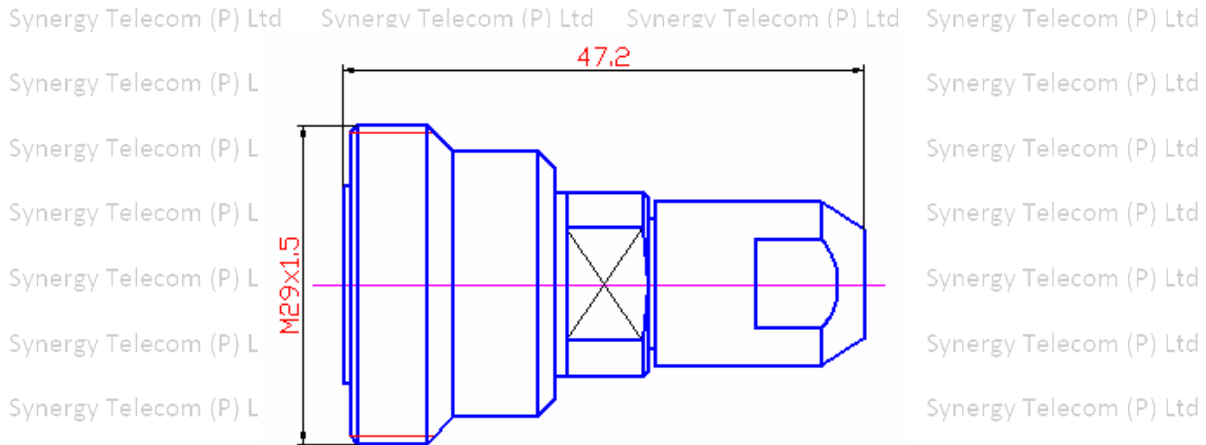


Synergy Telecom P Ltd.

7/16 DIN Female Connector For 1/4In Superflexible Cable



Interface

According to IEC 60169-4

Electrical

Characteristic Impedance 50 ohm

Frequency Range DC-7.5GHz

VSWR $\leq 1.10@DC-2.2GHz$; $\leq 1.15@DC-3.0GHz$

Insertion Loss $\leq 0.10dB@2200MHz$

Dielectric Withstanding Voltage $\geq 4000V$ RMS,50Hz,at sea level

Dielectric Resistance $\geq 10000M\Omega$

Contact Resistance Center Contact $\leq 0.4m\Omega$

Outer Contact $\leq 1 m\Omega$

Mechanical

Durability Mating cycles ≥ 500

Material and plating

| | | | |
|------|-------|---------|----|
| Body | Brass | Plating | Ni |
|------|-------|---------|----|

| | | | |
|-----------|------|--|---|
| Insulator | PTFE | | - |
|-----------|------|--|---|

| | | | |
|------------------|----------|--|----|
| Center conductor | Phosphor | | Ag |
|------------------|----------|--|----|

| | | | |
|--------------|-------|--|----|
| Coupling Nut | Brass | | Ni |
|--------------|-------|--|----|

| | | | |
|-------------|-------|--|----|
| Other Parts | Brass | | Ni |
|-------------|-------|--|----|

| | | | |
|--------|-----------------|--|---|
| Gasket | Silicone Rubber | | - |
|--------|-----------------|--|---|

Environmental

Temperature Range $-40^{\circ}C \sim +85^{\circ}C$

Weatherproof Rate IP 67

RoHs Compliant