



SIX CAVITIES GSM-R DUPLEXER

873 ÷ 880 MHz and 918 ÷ 925 MHz

91500126

POLOMARCONI.IT

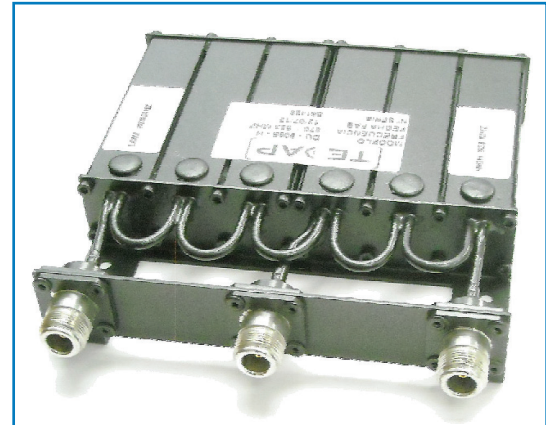


POLOMARCONI offers a very wide range of wireless products. Our products can be tailored according to the customer's need.

RAILWAYS AND TRANSPORT

Electrical Specifications

Frequency range (MHz)	873 ÷ 880 (up-link channel) 918 ÷ 925 (down-link channel)
Impedance (Ω)	50
VSWR	<p>$\leq 1.5 : 1$ in the 873+880 MHz (up-link channel) frequency band for LOW FREQUENCY PORT 873+880 MHz</p> <p>$\leq 1.6 : 1$ in the 873+880 MHz (up-link channel) and 918+925 MHz (down-link channel) frequency bands for ANTENNA PORT (CENTRAL PORT)</p> <p>$\leq 1.5 : 1$ in the 918+925 MHz (down-link channel) frequency band for HIGH FREQUENCY PORT 918+925 MHz</p>
Continuous Max. Power (W)	50
Insertion loss (dB)	≤ 1
Rejection (dB)	<p>873 ÷ 880 MHz (up-link channel) min. 50 between 918 ÷ 925 MHz (down-link channel)</p> <p>918 ÷ 925 MHz (down-link channel) min. 50 between 873 ÷ 880 MHz (up-link channel)</p>
Isolation (dB)	<p>min. 50 between 918 ÷ 925 MHz (down-link channel)</p> <p>min. 50 between 873 ÷ 880 MHz (up-link channel)</p>
Frequency stability (ppm/°C)	10



Mechanical Specifications

Type of connections	Nf
Dimensions (mm)	180x156x33
Total weight (kg)	0.9
Cavity material	Steel chassis and aluminium extruded cavities
Operating temperature range (°C)	-40 ÷ + 70

BY



Made in Italy. We reserve the right to modify these data without any notice.

91500126-DS REV. 02 - 17/09/2015