

FM DIVIDERS

ELTI produces FM coaxial power splitters for wide range of applications, offering scalable solutions in power handling up to 120 kW, in outputs numbering two to twelve, and in division of power. The optional tuner offers optimum VSWR values.

ELTI power dividers have superior electrical characteristics, featuring VSWR better than 1,05 across the whole operating range, and very high resistance to mechanical stress and atmospheric influences.

Power splitters can be deployed either in air-pressurized antenna systems or in foam antenna systems.



EDI 4552-17,7



DEL 4552 - 17,8k

TYPE DESCRIPTION

x A B C D - E F G

x - type of divider:

EDI - divider for equal division of power in low power antenna systems

DEL - divider for equal division of power with tuning section applicable in medium and high power antenna systems

DRM - divider for unequal division of power with tuning section applicable in medium and high power antenna systems

electrical and mechanical specifications:

A - number of outputs (2 ÷ 8)

B - input impedance (5 for 50 Ω)

C - output impedance (5 for 50 Ω)

D - frequency range (2 for FM 87,5 - 108 MHz)

EF - type of the input and output connectors (N - N, 7 - DIN 7/16, 8 - EIA 7/8", 17 - EIA 1 5/8", 33 - EIA 3 1/8", 44 - EIA 4 1/2", 55 - EIA 5", 66 - EIA 6 1/8")

G - designates power divider with additional tuning section for optimization of the VSWR of the antenna system

||' = $\lambda/4$ by 100 MHz)

k - with compensator

□ - without compensator

Specifications

FM dividers (type EDI, DEL and DRM)

Frequency range	87,5 - 108 MHz							
Impedance	50 Ω							
Return loss	> 32 dB							
Number of outputs	2 ÷ 8							
Insertion loss	< 0,05 (per one lambda/4 line)							
Divider type	equal armed (amplitude & phase)							
	Input RF connector	Output RF connector	Number of outputs					
			2	3	4	6	6	8
Mean power rating (kW)	DIN 7/16	DIN 7/16	3	3	3	3	3	3
	EIA 7/8"	DIN 7/16	4	4	4	-	-	-
	EIA 7/8"	EIA 7/8"	4	4	4	4	4	4
	EIA 1 5/8"	EIA 7/8"	8	12	14	-	14	14
	EIA 1 5/8"	EIA 1 5/8"	14	14	-	-	-	-
	EIA 3 1/8"	EIA 7/8"	-	-	14	18	22	32
	EIA 3 1/8"	EIA 1 5/8"	25	35	45	45	45	-
	EIA 3 1/8"	EIA 3 1/8"	45	45	-	-	-	-
	EIA 4 1/2"	EIA 1 5/8"	-	-	36	-	-	-
	EIA 4 1/2"	EIA 3 1/8"	80	-	-	-	-	-
	EIA 4 1/2"	EIA 4 1/2"	80	-	-	-	-	-
	EIA 5"	EIA 3 1/8"	90	-	-	-	-	-
	EIA 5"	EIA 4 1/2"	100	100	-	-	-	-
	EIA 5"	EIA 5"	100	-	-	-	-	-
EIA 6 1/8"	EIA 1 5/8"	-	-	45	55	75	-	
EIA 6 1/8"	EIA 3 1/8"	80	100	120	-	-	-	
EIA 6 1/8"	EIA 6 1/8"	120	-	-	-	-	-	