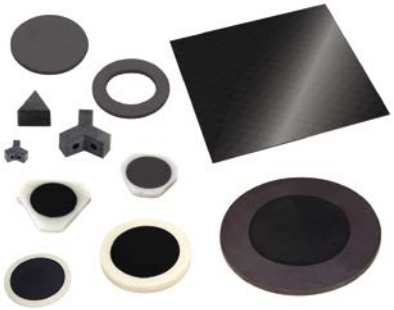
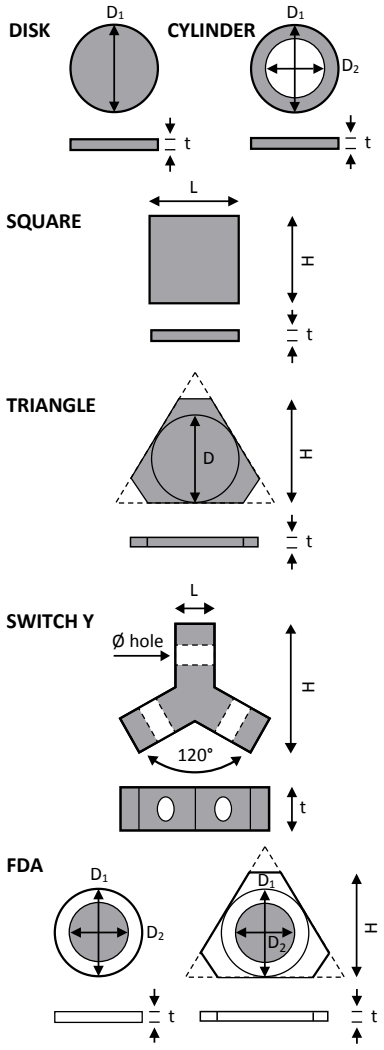
IRON GARNET
Y - Gd - Dy - Al

YTTRIUM - DYSPROSIUM or GADOLINIUM - DYSPROSIUM or ALUMINUM - DYSPROSIUM



Type	M_s (Gauss) ±5%	Tc (°C)	γ_{eff}	ΔH (Oe) +20%	ΔH_{eff} (Oe)	ΔH_k (Oe)	ε ±5%	tanδ 10^{-4} max	α 10^{-3}/°C ±0.2
D18	1760	280	2.02	85	54	18	15	2	2.2
D1	1400	270	2	110	41	14	15.5	2	1.4
D5	1070	270	2.02	150	55	18	15.5	2	0.5
D2	900	270	2.01	185	63	20	15.5	2	0.8
D3	590	175	2	85	29	10	14.5	2	3.5
D4	580	170	2	140	56	19	14.4	2	3

DIMENSIONS mm (inches)



Model	Dimensions D,H,L ±0.05 (0.002) t ±0.02 (0.001)	Min.		Standard / Typical		Max.	
		mm	(inches)	mm	(inches)	mm	(inches)
Disk / Cylinder	D_1	1	(0.039)	-	-	70	(2.756)
	D_2	0.6	(0.024)	-	-	65	(2.559)
	t	0.2	(0.008)	-	-	16.05	(0.632)
Square	L	0.6	(0.024)	-	-	50.80 or 100	(2.000 or 3.937)
	H	0.6	(0.024)	-	-	50.80 or 35	(2.000 or 1.378)
	t	0.2	(0.008)	-	-		
Triangle	D	2.5	(0.098)	-	-	22	(0.866)
	H	2.5	(0.098)	-	-	30	(1.181)
	t	0.2	(0.079)	-	-	16.05	(0.632)
Switch Y	L	on request		-	-	on request	
	H	on request		-	-	on request	
	t	on request		-	-	on request	
	Ø hole	0.5	(0.020)	-	-	on request	
FDA	D_1	2.3	(0.091)	-	-	70	(2.756)
	D_2	1.3	(0.051)	-	-	65	(2.559)
	t	0.6	(0.024)	-	-	16.05	(0.632)
Finish Ra		0.1 µm	(0.004 µ")	0.8 µm	(0.031 µ")	As fired	
Metal. Thickness	Except FDA	-	-	7-14 µm	(0.276-0.551 µ")	-	-

Other dimensions on request

Ms vs TEMPERATURE CURVES

HOW TO ORDER (dimensions in mm):

Example: **D18/E16 D19.35x15.35x0.80 Ra0.4**

D18	/	**E16**	**D**	**19.35**	x	**15.35**	x	**0.80**	**Ra0.4**
Ferrite type See Y- Gd- Dy Al family		**Additional material for FDA** Ferrite Dielectric	**Shape** D: Disk C: Cylinder S: Square T: Triangle Y: Switch Y	**Dimension 1** Diameter for D Ext. diameter (D_1) for C Length for S Incircle diameter for T Length for Y **For FDA only** Ext. diameter (D_1) for D Incircle diameter (D_1) for T		**Dimension 2** Thickness for D Int. diameter (D_2) for C Height for S Height for T Height for Y **For FDA only** Int. diameter (D_2) for D Int. diameter (D_2) for T		**Dimension 3** Thickness for C Thickness for S Thickness for T Thickness for Y **For FDA only** Thickness for D Thickness for T	**Options** CF: Chamfer R: Radius Ra: Surface finishing **Excepting FDA** M: Metallization Dxxx : Ø Hole for Switch Y

FERRITES & FDA

EXXELIA

SELECTION GUIDE

FERRITES & FDA

DIELECTRIC RESONATORS

COAXIAL RESONATORS

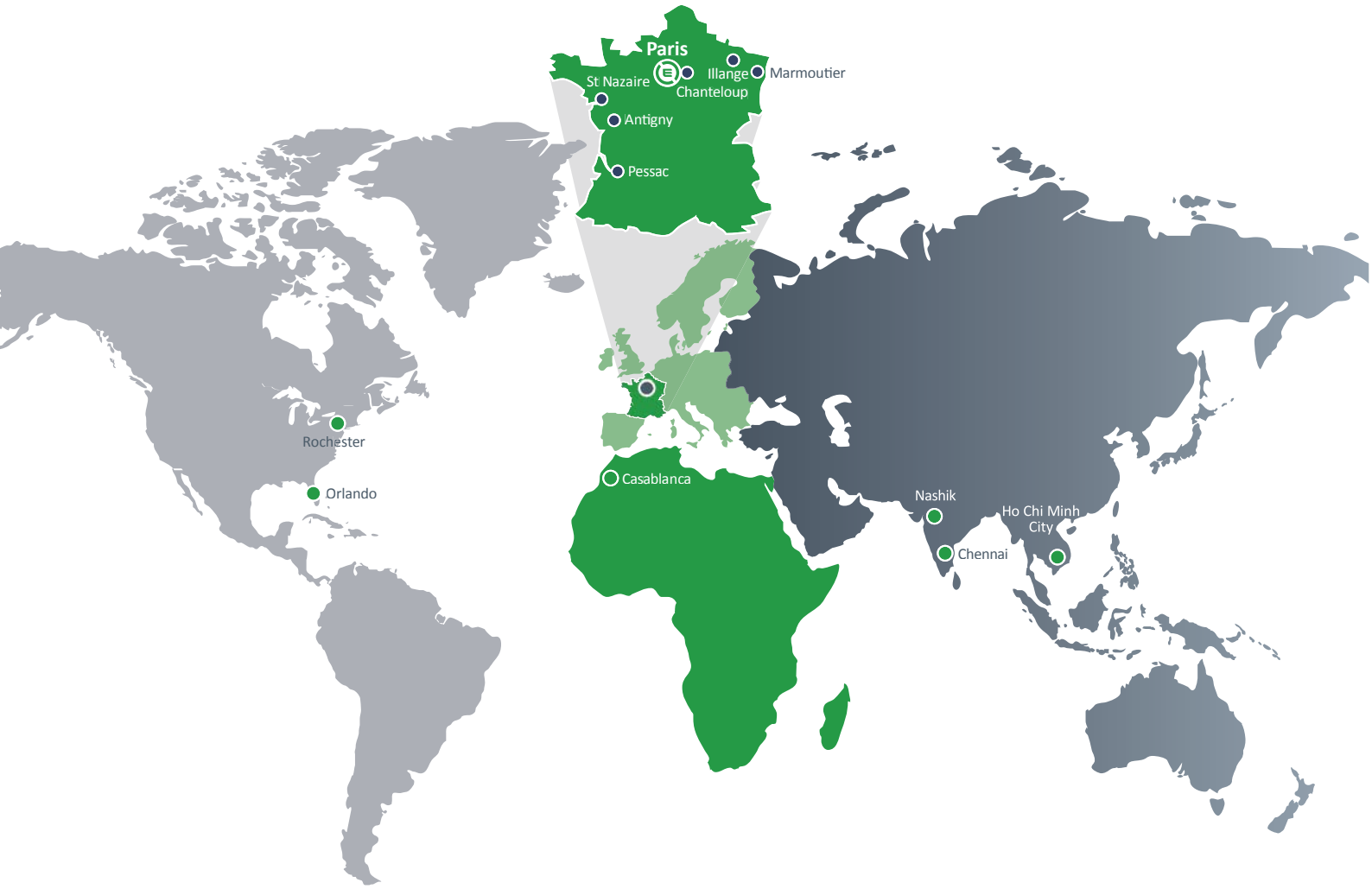
Product Catalogue 262

Microwave Materials

Ferrites, Dielectric & Coaxial Resonators

EXXELIA

A Worldwide presence



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