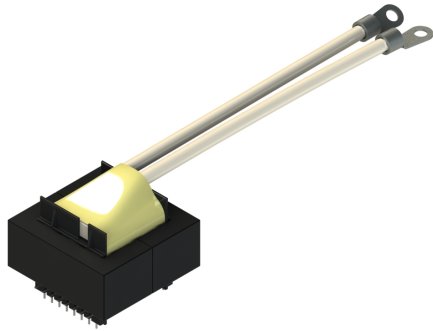


DEMS 65X27 - Super MSS Inductors

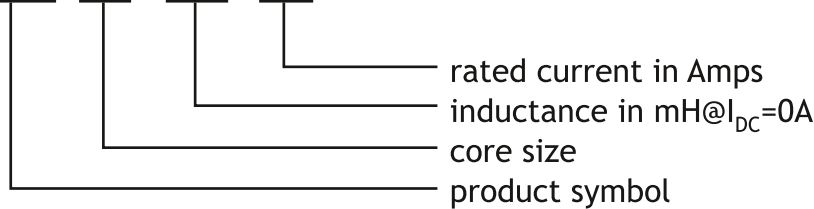


APPLICATIONS:

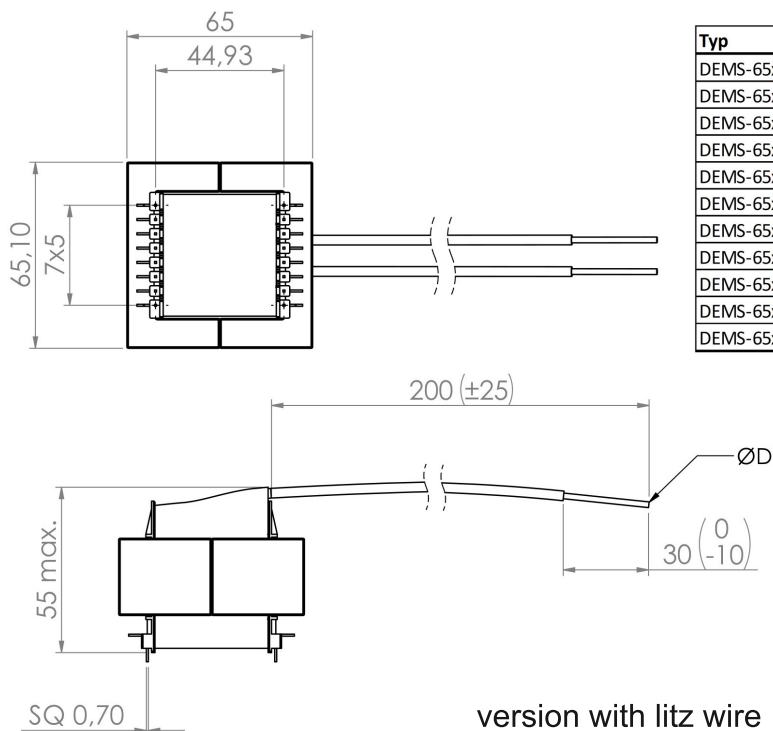
- output choke for forward, push-pull, half-bridge, full-bridge converters
- energy storage chokes (DC - 300kHz)
- AC and DC filters
- soft and slow saturation at high current

ORDERING CODE:

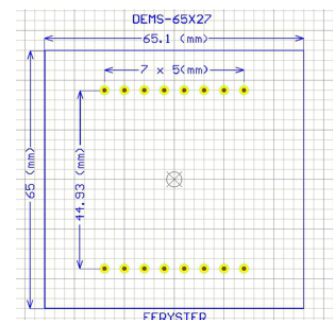
DEMS- 65X27- 3,3 / 8



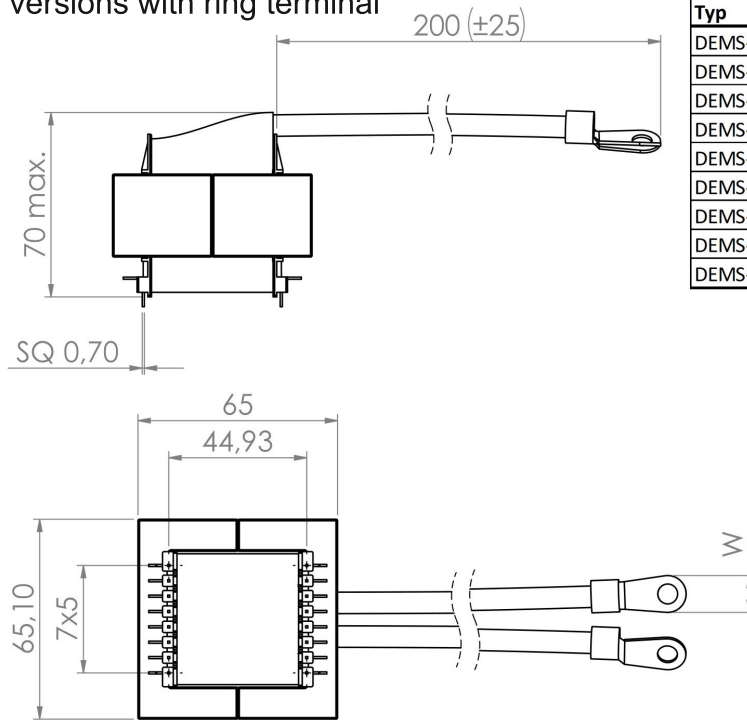
DIMENSIONS:



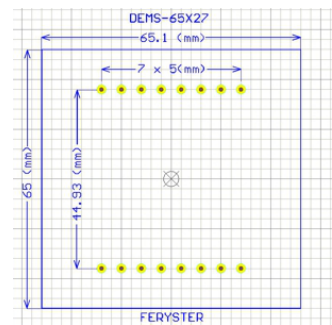
Typ	ØD [mm]
DEMS-65x27/0,068/38	4,1
DEMS-65x27/0,1/35	4,1
DEMS-65x27/0,15/31	4,1
DEMS-65x27/0,22/25	4,1
DEMS-65x27/0,33/22	3,4
DEMS-65x27/0,47/18	3,4
DEMS-65x27/0,68/15	3,4
DEMS-65x27/1,0/12	2,8
DEMS-65x27/1,5/10	2,8
DEMS-65x27/2,2/9	2,2
DEMS-65x27/3,3/8	2,2



versions with ring terminal



Typ	Ring terminal	W [mm]
DEMS-65x27/0,001/380	M8	22
DEMS-65x27/0,002/280	M8	18
DEMS-65x27/0,003/200	M8	16
DEMS-65x27/0,005/160	M8	16
DEMS-65x27/0,01/120	M8	16
DEMS-65x27/0,015/100	M8	16
DEMS-65x27/0,022/85	M8	16
DEMS-65x27/0,033/65	M8	16
DEMS-65x27/0,047/55	M8	16



ELECTRICAL PROPERTIES:

Part number	L_{nom} [μH]	I_{nom} [A]	RDC [Ω]	$\Delta T @ I_{nom}$ [°C]*	I_{max} [A]**
DEMS-65X27/0,001/380	1	380	0,0002	98	240
DEMS-65X27/0,002/280	2	280	0,0004	131	160
DEMS-65X27/0,003/200	3	200	0,0007	101	110
DEMS-65X27/0,005/160	5	160	0,0007	114,5	100
DEMS-65X27/0,010/120	10	120	0,0012	134,5	77
DEMS-65X27/0,015/100	15	100	0,0017	112	66
DEMS-65X27/0,022/85	22	85	0,002	90	57
DEMS-65X27/0,033/65	33	65	0,003	105	51
DEMS-65X27/0,047/55	47	55	0,005	95	41
DEMS-65X27/0,068/38	68	38	0,009	143	22
DEMS-65X27/0,10/35	100	35	0,010	91	21
DEMS-65X27/0,15/31	150	31	0,013	79	19
DEMS-65X27/0,22/25	220	25	0,016	73	18
DEMS-65X27/0,33/22	330	22	0,029	134	13
DEMS-65X27/0,47/18	470	18	0,038	90	14
DEMS-65X27/0,68/15	680	15	0,054	90	10,5
DEMS-65X27/1,0/12	1000	12	0,082	87	7,5
DEMS-65X27/1,5/10	1500	10	0,101	59	8,5
DEMS-65X27/2,2/9	2200	9	0,163	136	6
DEMS-65X27/3,3/8	3300	8	0,236	145	4,5

* winding losses only.

** @Δt=40°C, winding losses only.

CHARACTERISTICS:

