

7220533 PLESSEY SEMICOND/DISCRETE

T-41-49

MS SERIES

32C 01882 0

SILICON MESA PHOTOCELLS

A range of silicon photovoltaic cells of mesa construction available in sizes from micro-miniature to large active area for general purpose use.

Unencapsulated cells are coated with a special varnish to protect against contamination and moisture ingress.

Encapsulated cells are set into tough bakelite or epoxy housings with stud or pin mountings (suffix E).

Devices are graded for standard use under both high (suffix A) and low (suffix B) light levels.

TYPICAL CHARACTERISTICS (at 25°C)

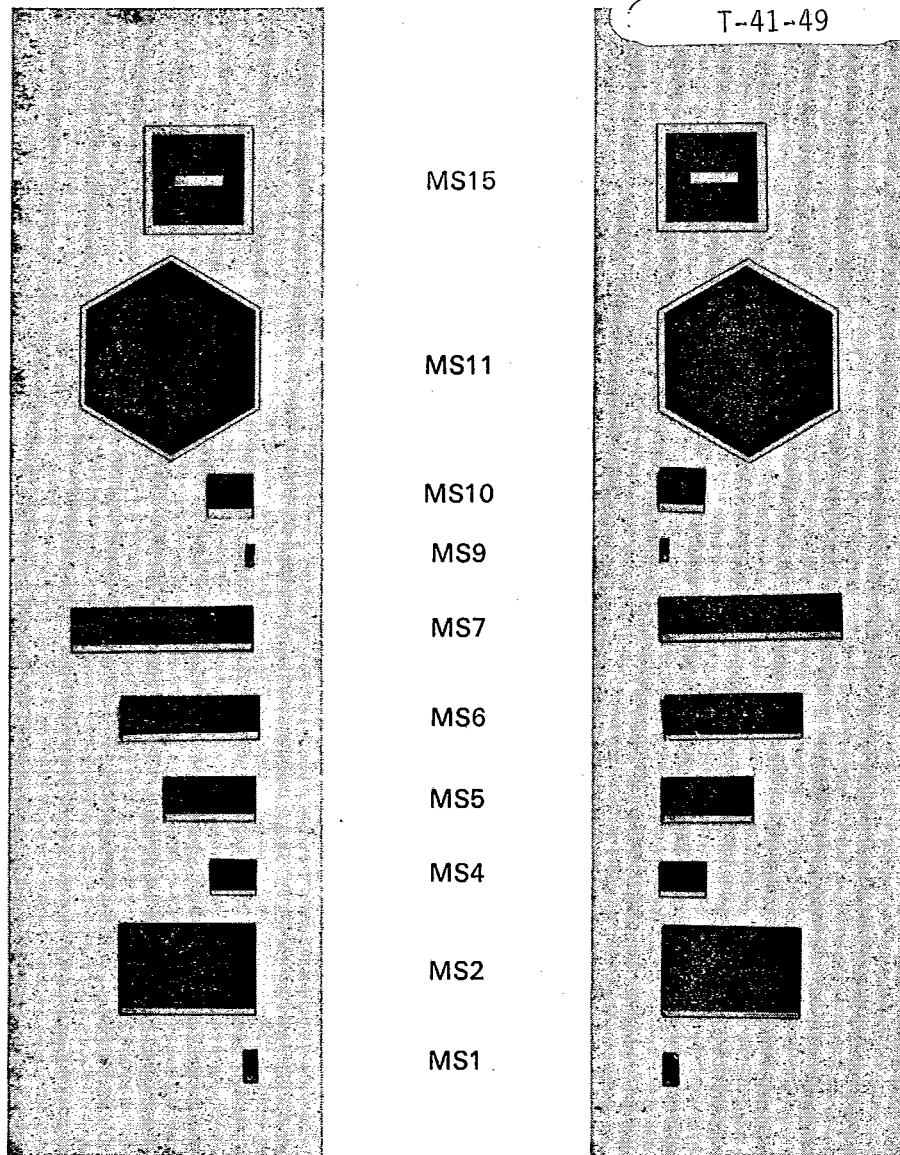
Type	Active Area mm	3000 lumens/sq. ft.		200 lumens/sq. ft.		Comments
		Voc mV	Isc mA	Voc mV	Isc mA	
MS1A	3.48 × 1.83	500	1.0	—	—	Miniature for punched tape or punched card reading systems
MS1AE	3.48 × 1.83	500	1.0	—	—	
MS1B	3.48 × 1.83	500	1.0	350	0.065	
MS1BE	3.48 × 1.83	500	1.0	350	0.065	
MS2A	18.85 × 11.63	500	27	—	—	
MS2AE	18.85 × 11.63	500	31	—	—	
MS2B	18.85 × 11.63	500	31	400	2.0	
MS2BE	18.85 × 11.63	500	34	400	2.3	
MS3B	10.11 × 1.68	500	2.6	350	0.17	
MS4A	6.15 × 5.26	500	5	—	—	
MS4B	6.15 × 5.26	500	5	350	0.33	
MS5A	12.5 × 5.26	500	10	—	—	
MS5B	12.5 × 5.26	500	10	350	0.66	
MS6A	18.85 × 5.26	500	15	—	—	
MS6B	18.85 × 5.26	500	15	350	0.99	
MS7A	25.2 × 5.26	500	20	—	—	
MS7B	25.2 × 5.26	500	20	350	1.32	Micro-miniature for punched tape or punched card reading systems for high light level applications
MS9A	2.13 × 0.99	500	0.3	—	—	
MS9AE	2.13 × 0.99	500	0.3	—	—	
MS9B	2.13 × 0.99	500	0.3	350	0.02	
MS9BE	2.13 × 0.99	500	0.3	350	0.02	
MS10	5.0 × 4.6	500	2.0	350	0.1	Large area photovoltaic
MS11A	23.4	500	48	—	—	
MS11AE	23.4	500	54	—	—	
MS11B	23.4	550	54	330†	3.6	
MS11BE	23.4	550	60	330†	4.0	

†Minimum.

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MS RANGE OF SILICON PHOTOCELLS