



MOTOROLA INC.

Discrete Semiconductor Group

GAK093

SPECIAL DEVICE SPECIFICATION

DOC. NO. 43ARB54669B	ISSUE 0	POLARITY HPN	CASE(MOT/JEDEC) 211-11	STYLE —	TITLE SRF3749	PAGE 1 of 2
ORIG. ISSUE DATE APR 23 85	MARKETER B. Vano	SALES OFFICE SAN	DESCRIPTION SILICON RF TRANSISTOR			
CUSTOMER/CUST. LOC. WESTCOM San Diego, CA						
DOCUMENT NUMBER CONTROL DOCUMENT NONE			REV/DATE LATEST	CODES LATEST	SOURCE RF700 (MRF454 Sugg.)	
OTHER DOCS. 12MRB17500B 12MRB11888B			CONSTRUCTION/LEAD MATL & FINISH			
CUSTOMER PART NO.			WRITER/DATE K. M. 22APR85	REVIEWER/DATE LNU 23APR85		

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NOTES

*****THIS DEVICE SAME AS MRF454 EXCEPT FOR NOTE 3 MARKING AND NOTE 4 LIMIT CHANGE BELOW*****

- SHIPPING INSTRUCTIONS: PACKAGING: PER 12MRB17500B.
- SAMPLE PER 12MRB11888B.
- DEVICE MARKING: 1st LINE: MOTOROLA SYMBOL (hFE COLOR DOT PER TABLE I)
2nd LINE: SRF3749
3rd LINE: DATE CODE
- LIMIT AND CONDITION CHANGE

SYMBOL	CONDITION	LIMIT	
		MIN	MAX
hFE 1/	VCE = 5V, IC = 5.0A	48	155

1/ hFE COLOR CODE RANGES USED AS MATCHING CRITERIA (SEE TABLE I, PAGE 2)



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TABLE I HFE COLOR CODE RANGES (TO BE USED AS MATCHING CRITERIA ONLY).

	<u>LIMITS</u> -	<u>MIN.</u>	<u>MAX.</u>
GREEN		48	63
BLUE		57	78
VIOLET		72	93
BLACK-BLACK		87	108
BROWN-BROWN		100	125
RED-RED		115	140
ORANGE-ORANGE		130	155