

# HARRIS DISCRETE POWER MOSFET LINE

## TO-252 PACKAGE STANDARD GATE DEVICES

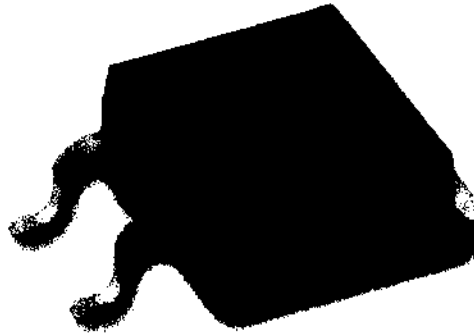
$V_{DSS}$ (V)	$r_{DS(ON)}$	I (A)	TO-252AA	CHANNEL
20V	0.025 $\Omega$	20A	RFD20N02SM	N
50V	0.300 $\Omega$	8A	RFD8P05SM	P
	0.047 $\Omega$	16A	RFD16N05SM	N
	0.100 $\Omega$	14A	RFD14N05SM	N
	0.150 $\Omega$	15A	RFD15P05SM	P
60V	0.047 $\Omega$	16A	RFD16N06SM	N
	0.100 $\Omega$	14A	RFD14N06SM	N
	0.150 $\Omega$	15A	RFD15P06SM	P
	0.300 $\Omega$	8A	RFD8P06ESM	P
80V	0.150 $\Omega$	12A	RFD3055SM	N
	0.270 $\Omega$	8.4A	IRFR121	N
	0.270 $\Omega$	8.4A	IRFR120	N
100V	0.540 $\Omega$	4.7A	IRFR110	N
	0.600 $\Omega$	5.6A	IRFR9120	P
	1.200 $\Omega$	3.1A	IRFR9110	P
	0.800 $\Omega$	4.6A	IRFR221	N
200V	0.800 $\Omega$	4.6A	IRFR220	N
	1.200 $\Omega$	3.8A	IRFR222	N
	1.500 $\Omega$	0.6A	IRFR9220	P
250V	2.000 $\Omega$	2.2A	IRFR214	N
350V	1.800 $\Omega$	3.1A	IRFR321	N
400V	1.800 $\Omega$	3.1A	IRFR320	N
	2.500 $\Omega$	2.6A	IRFR322	N
450V	3.000 $\Omega$	2.5A	IRFR421	N
500V	3.000 $\Omega$	2.5A	IRFR420	N
	4.000 $\Omega$	2.2A	IRFR422	N
	7.000 $\Omega$	1.5A	IRFR410	N

## TO-252 LOGIC LEVEL GATE (5V) DEVICES

$V_{DSS}$ (V)	$r_{DS(ON)}$	I (A)	TO-252AA	CHANNEL
20V	0.022 $\Omega$	20A	RFD20N02LSM	N
30V	0.025 $\Omega$	16A	RFD16N03LSM	N
	0.200 $\Omega$	10A	RFD10P03LSM	P
50V	0.047 $\Omega$	16A	RFD16N05LSM	N
	0.100 $\Omega$	14A	RFD14N05LSM	N
60V	0.300 $\Omega$	8A	RFD8P06LESM	P
	0.047 $\Omega$	16A	RFD16N06LESM	N
	0.065 $\Omega$	15A	RFD15N06LESM	N
	0.100 $\Omega$	14A	RFD14N06LSM	N
	0.135 $\Omega$	12A	RFD12N06RLESM	N
	0.150 $\Omega$	12A	RFD3055LESM	N
	0.600 $\Omega$	4A	RFD4N06LSM	N
80V	0.800 $\Omega$	3A	RFD3N08LSM	N
100V	0.300 $\Omega$	7A	RFD7N10LESM	N



TO-252AA (D-PAK)



TO-263AB (D<sup>2</sup>-PAK)

These devices are available in the popular surface-mounted packages such as: TO-252AA, TO-263AB, and SO-8 (LittleFET). In addition, Harris' family of surface-mounted multi-layer components offers on-board protection for sensitive integrated circuits and transistors.

**TO-263 PACKAGE STANDARD GATE (5V) DEVICE**

V <sub>DSS</sub> (V)	r <sub>DS(ON)</sub>	I (A)	TO-263AB	CHANNEL
30V	0.010Ω	70A	RF1S70N03SM	N
	0.027Ω	60A	RF1S60P03SM	P
50V	0.065Ω	30A	RF1S30P05SM	P
60V	0.014Ω	70A	RF1S70N06SM	N
	0.022Ω	50A	RF1S50N06SM	N
	0.028Ω	45A	RF1S45N06SM	N
	0.047Ω	25A	RF1S25N06SM	N
	0.075Ω	30A	RF1S30P06SM	P
	0.140Ω	15A	RF1S15N06SM	N
	0.080Ω	22A	RF1S22N10SM	N
100V	0.160Ω	14A	RF1S530SM	N
	0.200Ω	19A	RF1S9540SM	P
	0.300Ω	12A	RF1S9530SM	P
	0.040Ω	40A	RF1S40N10SM	N
	0.077Ω	28A	RF1S540SM	N
200V	0.180Ω	18A	RF1S640SM	N
	0.400Ω	9A	RF1S630SM	N
	0.500Ω	11A	RF1S9640SM	P
	0.800Ω	6.5A	RF1S9630SM	P
1000V	3.500Ω	4.3A	RF1S4N100SM	N

**TO-263 LOGIC LEVEL GATE (5V) DEVICES**

V <sub>DSS</sub> (V)	r <sub>DS(ON)</sub>	I (A)	TO-263AB	CHANNEL
20V	0.022Ω	45A	RF1S45N02LSM	N
30V	0.025Ω	42A	RF1S42N03LSM	N
60V	0.022Ω	50A	RF1S50N06LESM	N
	0.028Ω	45A	RF1S45N06LESM	N
	0.047Ω	30A	RF1S30N06LESM	N
	0.065Ω	23A	RF1S23N06LESM	N
	0.100Ω	17A	RF1S17N06LSM	N
80V	0.140Ω	45A	RF1S15N08L	N
100V	0.040Ω	40A	RF1S40N10LESM	N